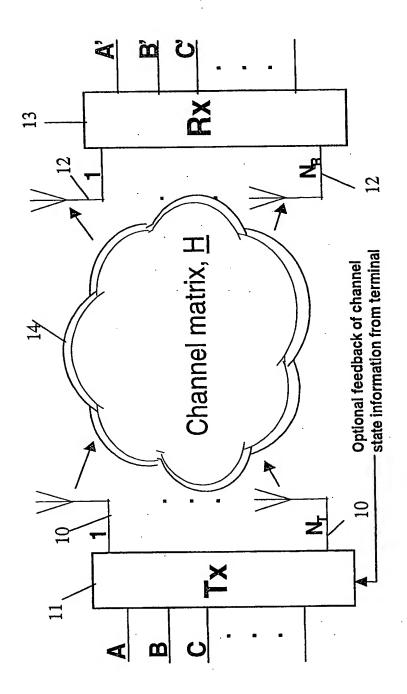


1/20 15

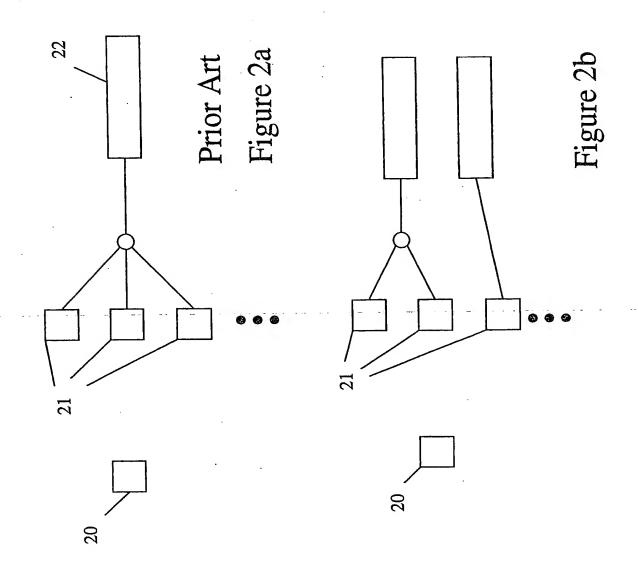


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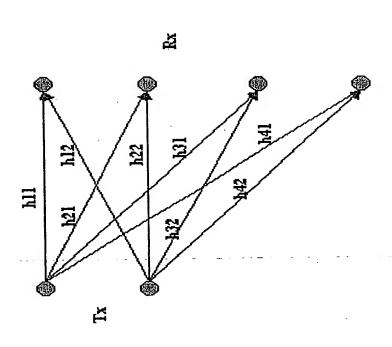
FIGURE 1



2/20 15

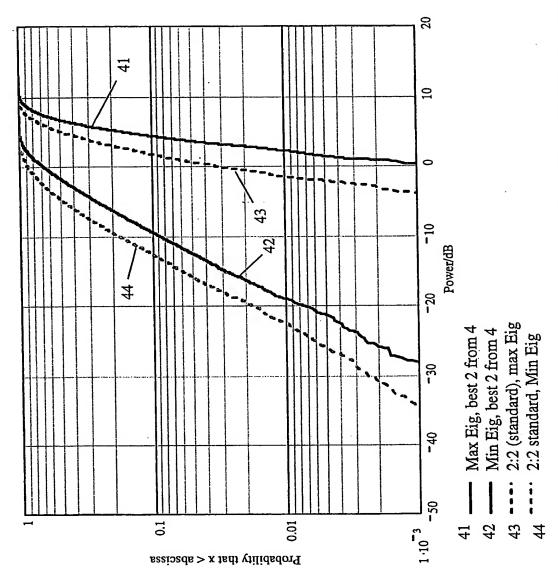




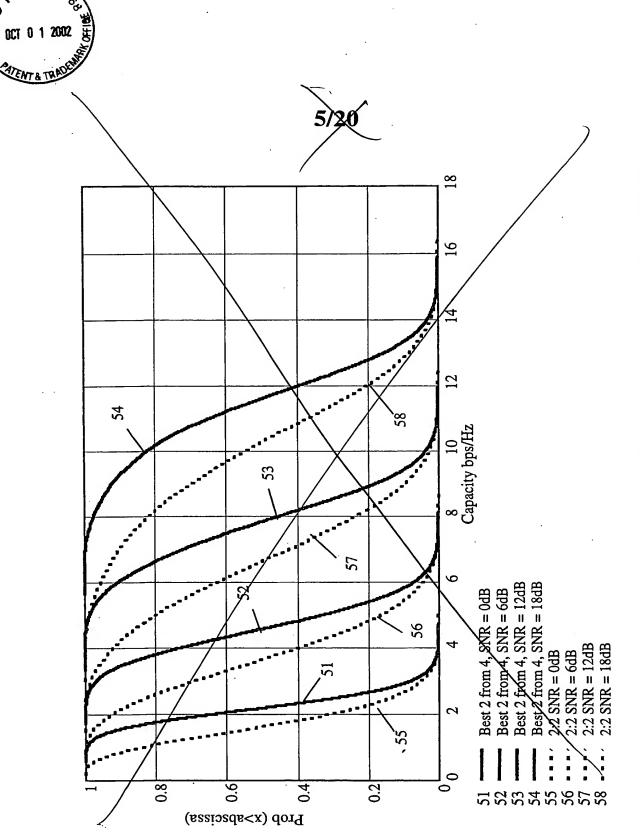


MIMO configuration with 2 Node B antennas and 4 UE antennas



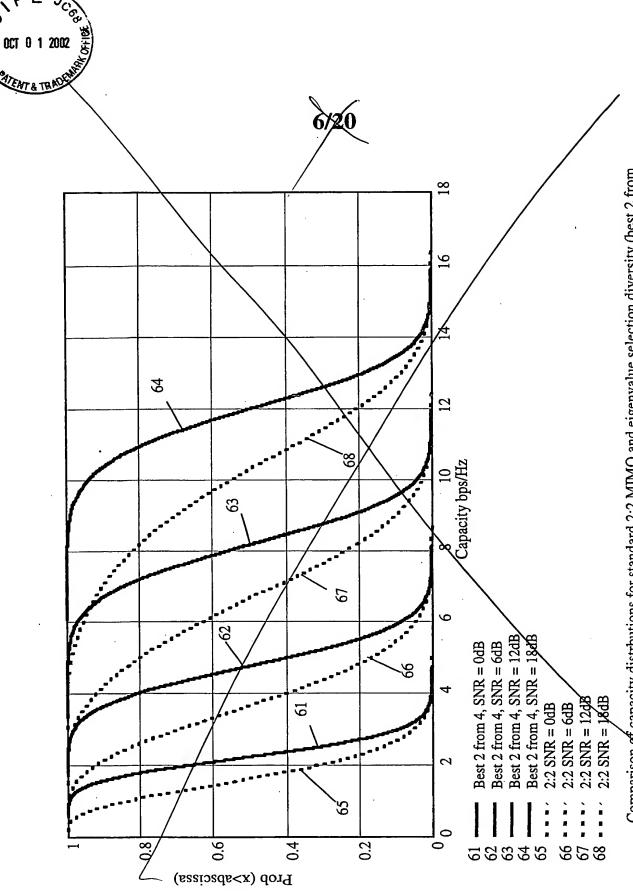


Comparison of eigenvalues for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum sum of eigenvalues as the selection metric.

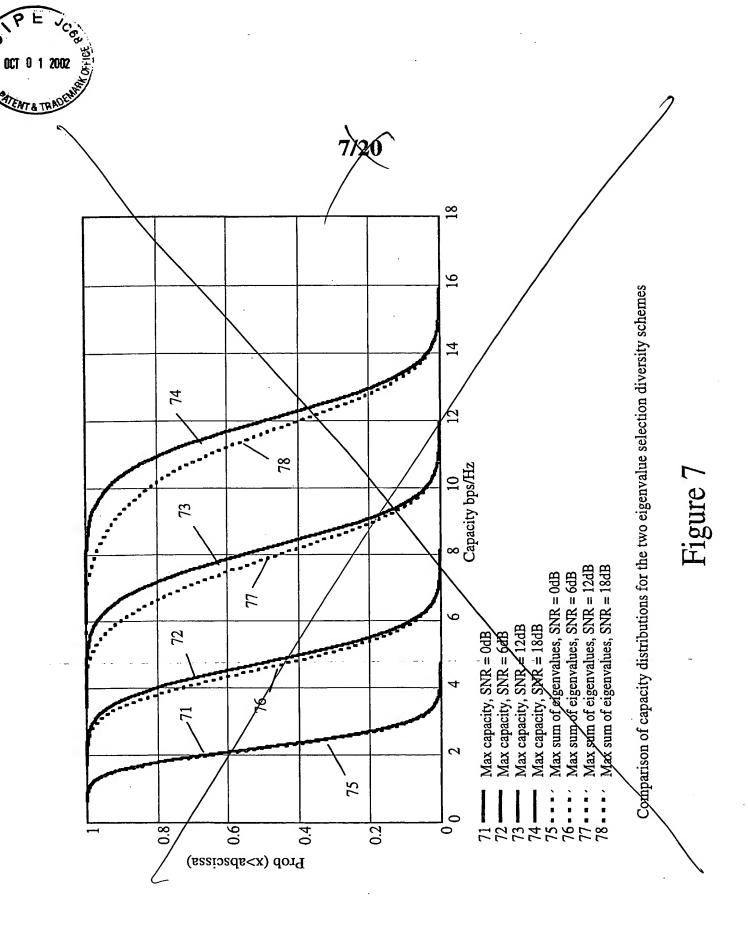


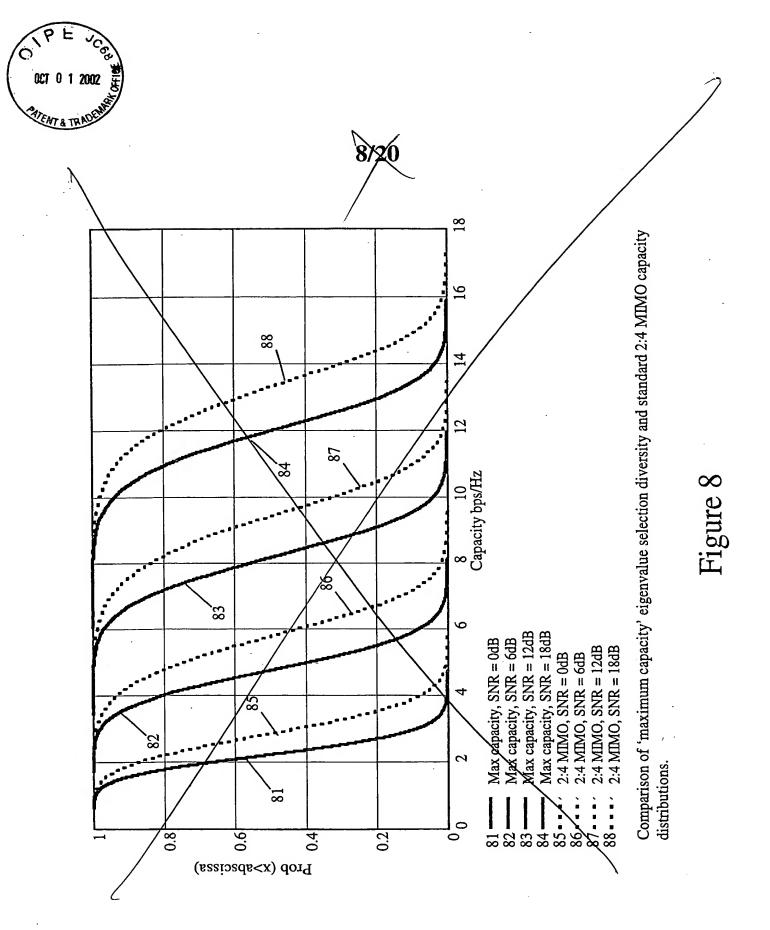
Comarison of capacity distributions for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum sum of eigenvalues as the selection metric.

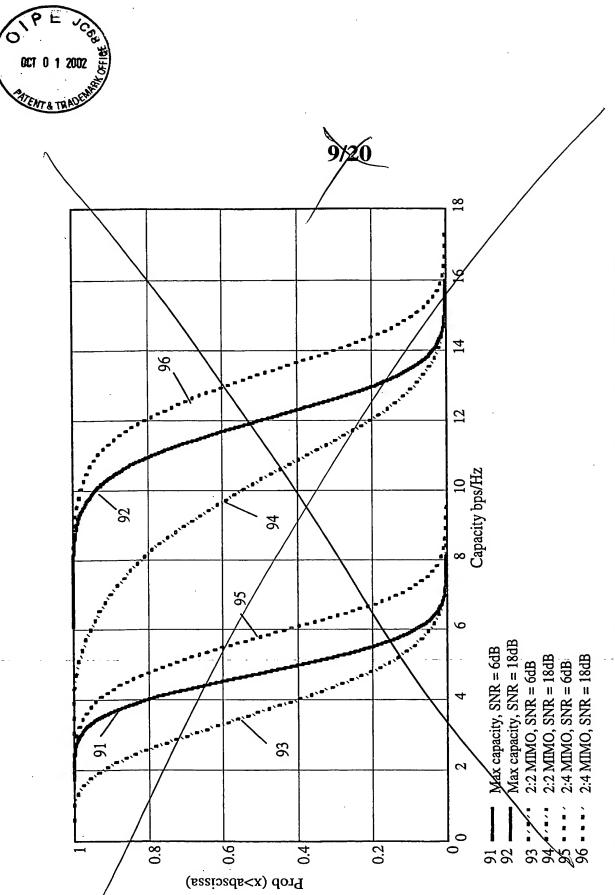
Figure 5



Comparison of capacity distrbutions for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum instantaneous link capacity as the selection metric.





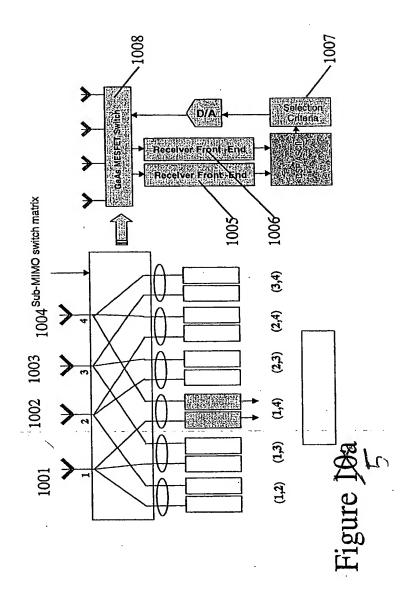


Comparison of maximum capacity eigenvalue selection diversity with 2:2 and 2:4 MIMO capacity curves

Figure 9



5 101/20 15





6 14/20 15

3,4)	example of overlap switch (keep Ant #1)	2,3) (2,4) (2,5) 4,6) (5,6)		example of overlap switch (keep Ant #1)
(1,2) (1,3) (1,4) (2,3) (2,4) (3,4)	disjoint switch	(1,2) (1,3) (1,4) (1,5) (1,6) (2,3) (2,4) (2,5) (2,6) (3,4) (3,5) (3,6) (4,5) (4,6) (5,6)		disjoint switch
4-antenna			6-antenna	

Figure 1016 6



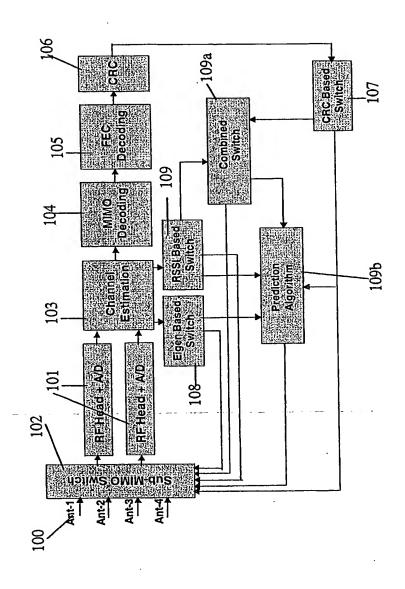


Figure 10c /



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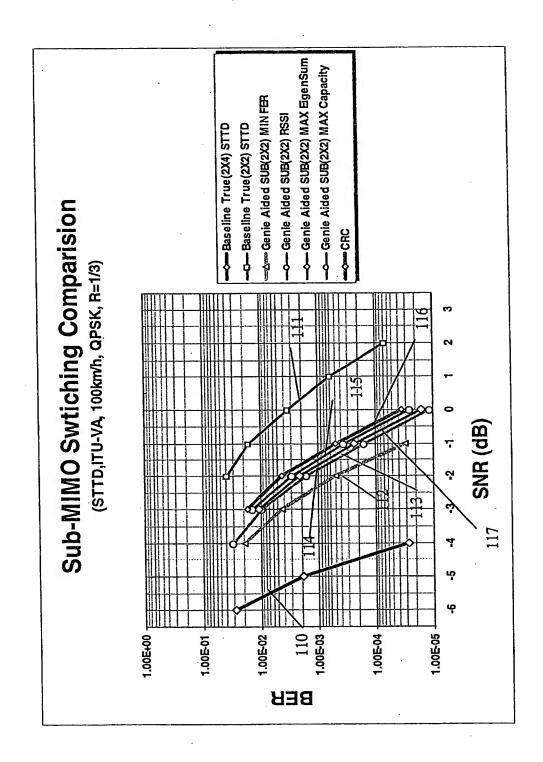


Figure M 8



9 14/20 15

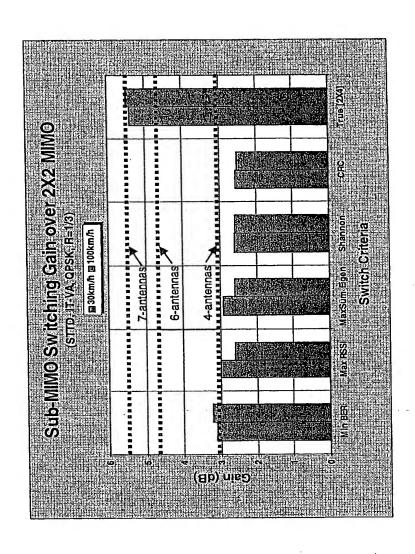


Figure 126 9



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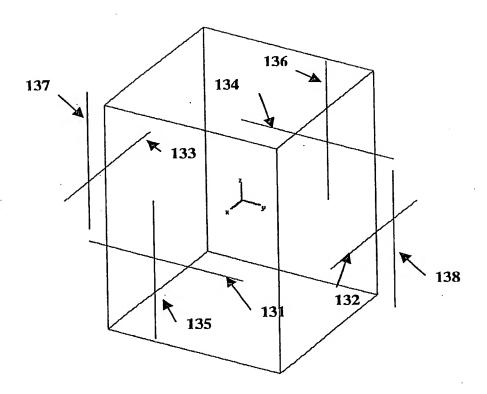


Figure 18 10





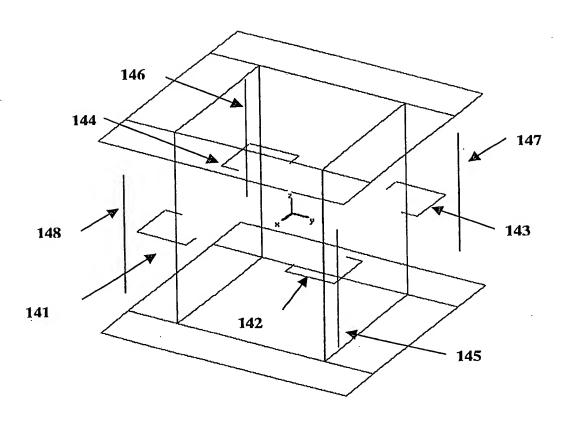


Figure M ||



	Configuration 1	ration 1	Configuration 2			
Average signal level (dB)	180°	4.6	180°	3.9	·	
	.06	6.7	.06	8.4		
Signal level spread (dB)	180°	1.4	180°	1.5		
	.06	0.5	06	0.3		
Average standard deviation (dB)	. 180°	4.1	180°	1.7		
	.06	1.4	. 06	0.4		
Lowest maximum achievable diversity gain (dB) (unit 0° orientation)	11.5		15			
Lowest maximum achievable diversity gain (dB) (unit 45° orientation)	14.5		14	·		

Figure X 17

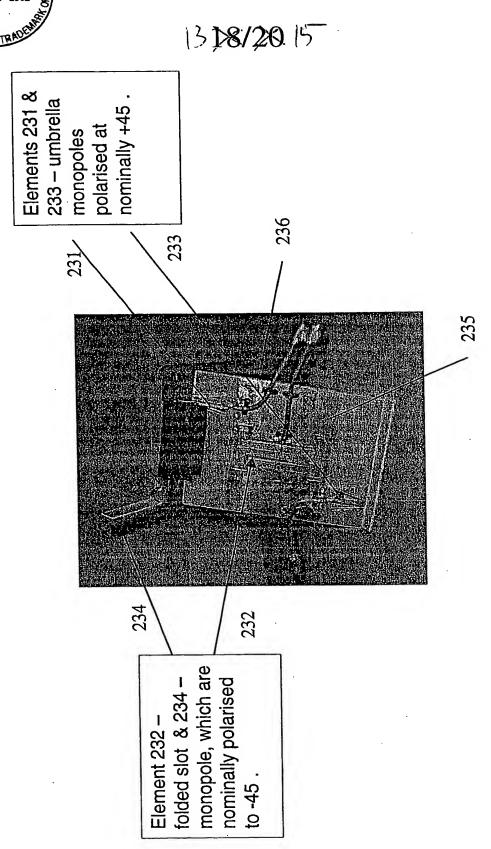


FIGURE 16 13



14 19/20 15

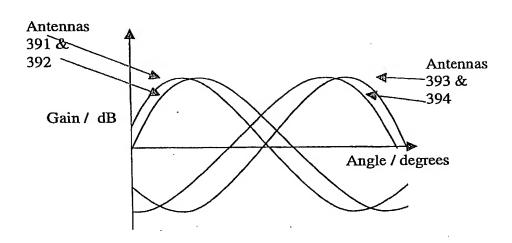
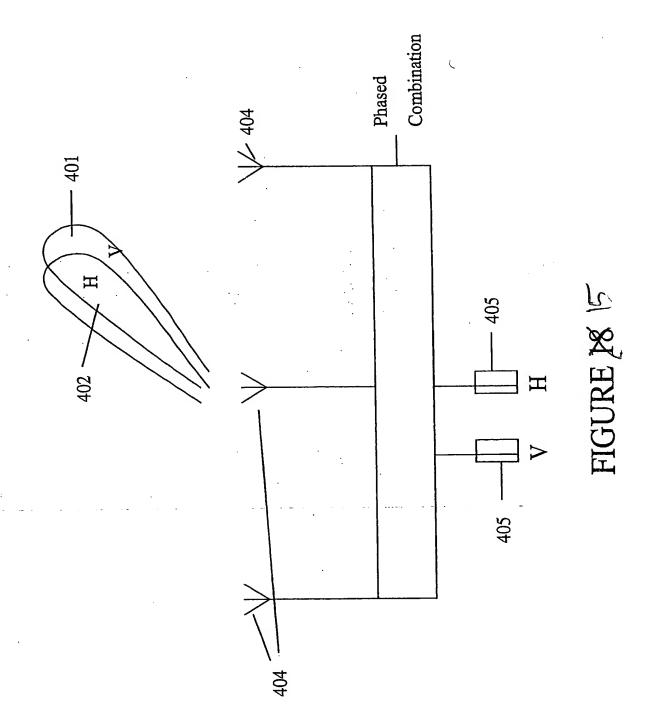


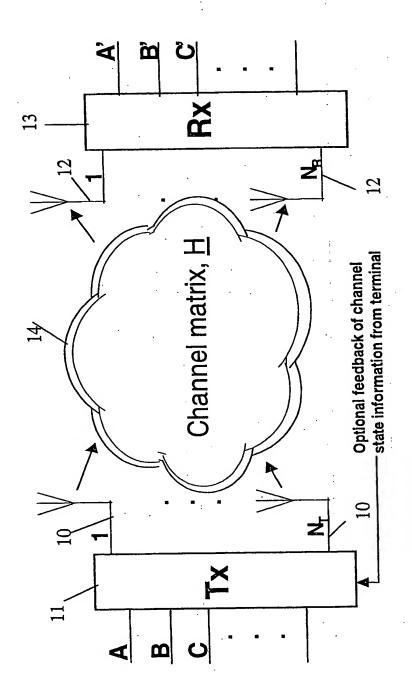
Figure 🗖 14







1/20 15

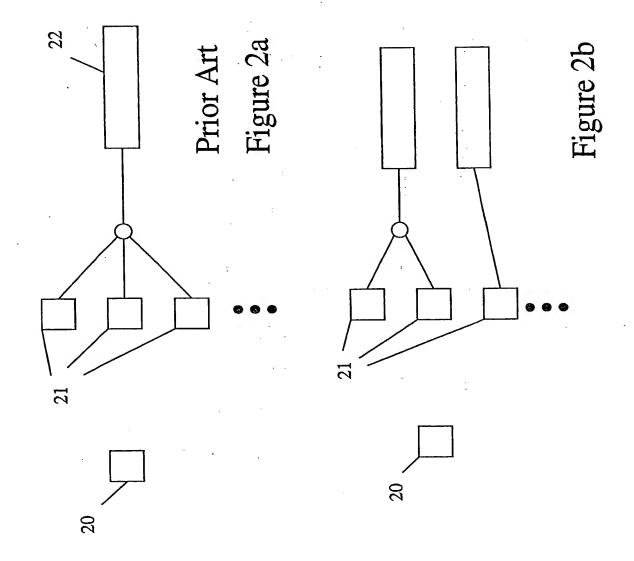


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FIGURE 1

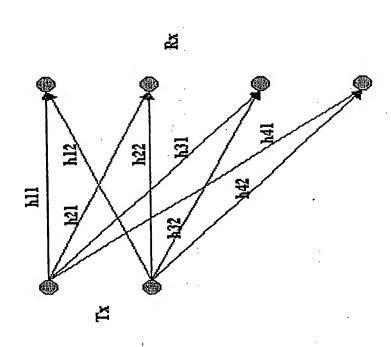


2/20 15



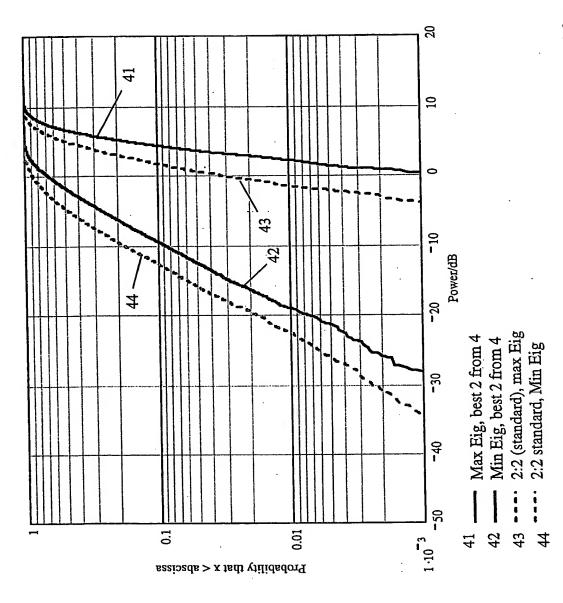


3/20- 15



MIMO configuration with 2 Node B antennas and 4 UE antennas

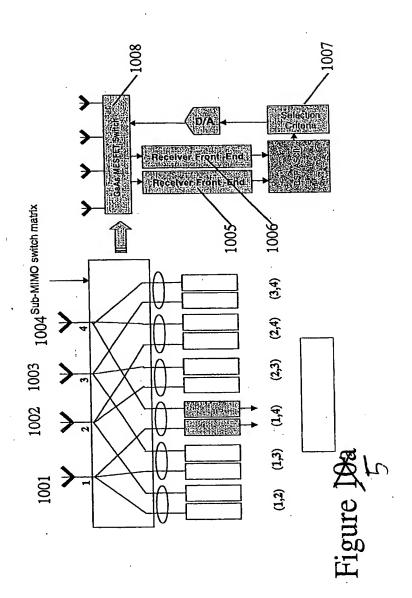




Comparison of eigenvalues for standard 2.2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum sum of eigenvalues as the selection metric.



5 101/20 15





6 M/20 15

(3,4) (12) (13) (14) example of overlap switch (keep Ant #1)	(2,3) (2,4) (2,5) (4,6) (5,6) Example of overlap switch (keep Ant #1)
(1,2) (1,3) (1,4) (2,3) (2,4) (3,4)	(1,2) (1,3) (1,4) (1,5) (1,6) (2,3) (2,4) (2,5) (2,6) (3,4) (3,5) (3,6) (4,5) (4,6) (5,6)
4-antenna	6-antenna

Figure 1896 6



7 12/20 15

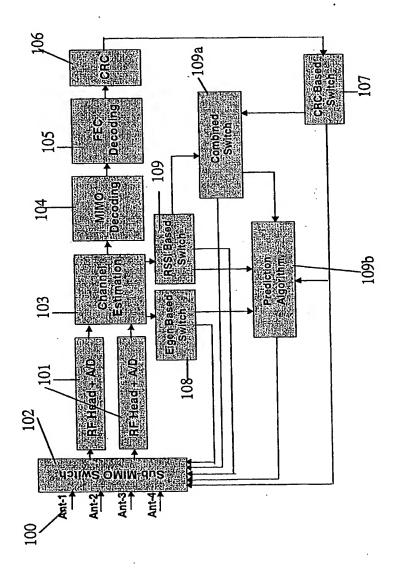


Figure 106 7

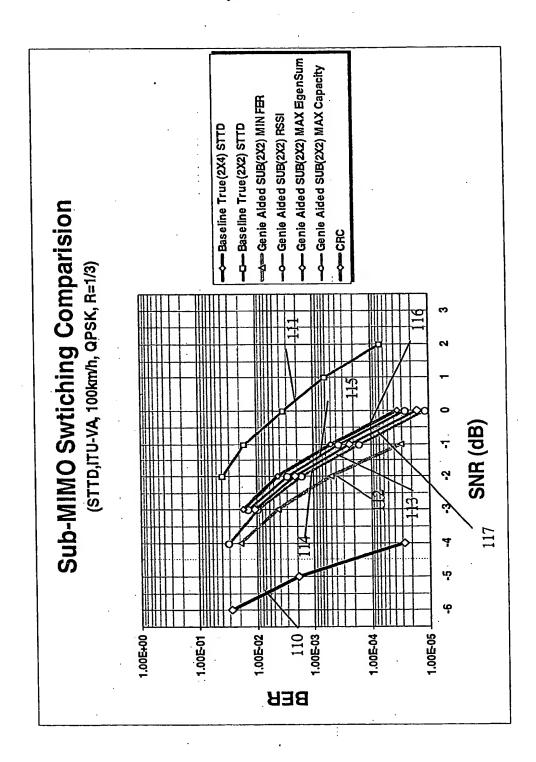


Figure JX 8



9 14/20 15

0							True (2X4)	
2X2 MIN				***************************************			240	
ain over K. R=1/3) ^{00km/h}		•	×	1			Shannon)riteria:
Sub-MIM© Switching Gain over 2X2 MIM© (Sinp, IT-VA OPSK R=1/3) ©30km/h ©100km/h		Z-antennas	6-antennas	4-antennas			MaxSum Egen	Switch Oriteria
MO SWIT			# # # # # # # # # # # # # # # # # # #	***************************************			Max RSI	
Sub-M							Wiff BAR	
	-	4		(SP)	ujeg			

Figure 189



10 15120 15

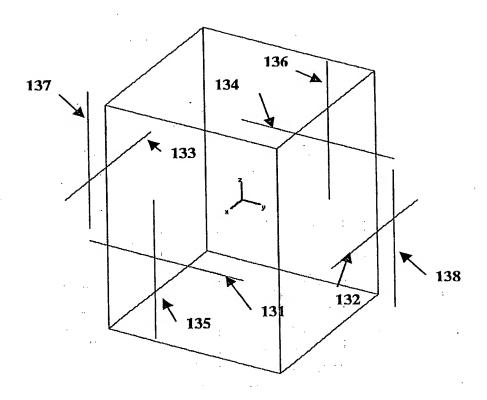


Figure 🕱 🜔



11/15

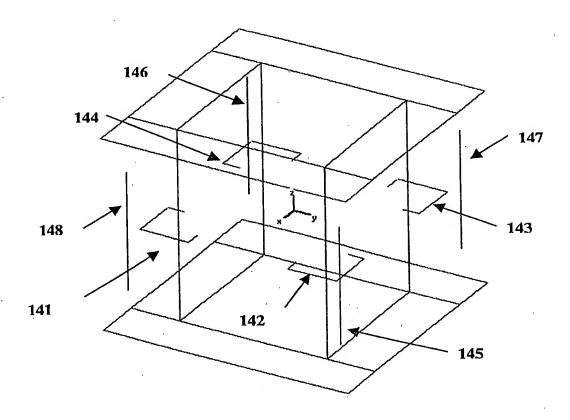


Figure X |



	Configuration 1	ation 1	Configuration 2		
Average signal level (dB)	180°	4.6	180°	3.9	
	.06	6.7	.06	4.8	
Signal level spread (dB)	180°	1.4	180°	1.5	
	906	0.5	.06	0.3	
Average standard deviation (dB)	180°	4.1	180°	1.7	
	.06	1.4	.06	0.4	
Lowest maximum achievable diversity gain (dB) (unit 0° orientation)	11.5		15		
Lowest maximum achievable diversity gain (dB) (unit 45° orientation)	14.5		. 14		

Figure 🔀 17

FIGURE 16 13



14 19/20 15

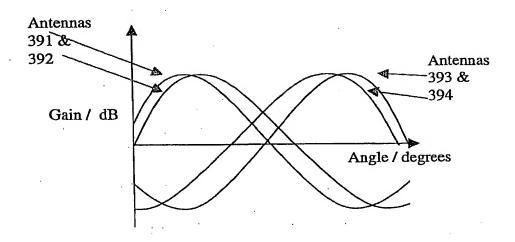


Figure 🔀 14



